







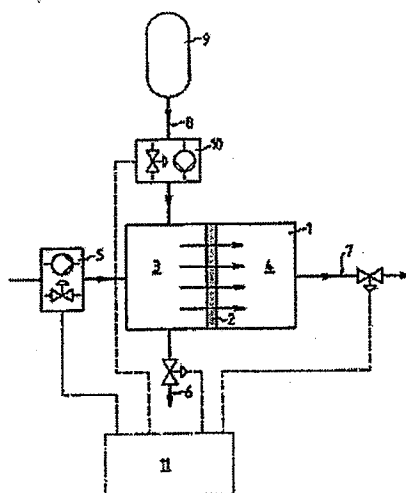


Method and apparatus for the treatment of solutions by reverse osmosis.**Publication number:** EP0126714**Publication date:** 1984-11-28**Inventor:** UEBERSAX HEINZ (CH)**Applicant:** CHRIST AG (CH)**Classification:****- International:** B01D61/02; B01D61/10; B01D61/12; B01D65/02;
B01D65/06; C02F1/44; B01D61/02; B01D65/00;
C02F1/44; (IPC1-7): B01D13/00; C02F1/44**- European:** B01D13/00D12**Application number:** EP19840810237 19840515**Priority number(s):** CH19830002789 19830520**Also published as:** JP60000805 (A)
 EP0126714 (A3)
 CH673275 (A5)**Cited documents:** US4341629
 US3493495
 US3992301
 GB1119972
 US3846295
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During the separation of a solution by reverse osmosis, precipitations and depositions of soluble materials arising on the side of the concentrated solution are allowed during a process phase of predetermined length, and the precipitates and deposits then present are largely redissolved in a flushing phase by flushing with a flushing solution. This method makes it possible to prevent a permanent deposition of such materials in the reverse osmosis elements, without having to use chemicals for this purpose. The apparatus for implementing this method includes a flushing line arrangement (8) for introducing the flushing solution during the flushing phase from a stock (9) into the chamber (3), receiving the solute-containing solution, of a reverse osmosis installation. A delivery and metering unit (10) is provided for metering the rate and pressure of the flushing solution. A control and regulation system (11) serves for activating the various delivery and control means and hence for switching over from one process phase to the particular flushing phase.

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